

- vestitifolium* 183; *virgultorum* 173;  
*zentanum* 170  
 Plantago in Hawaii 328  
 Polycotylous seedlings 87  
 Potato, gases in intercellular spaces 308  
 Prankerd, T. L. 148  
 Protoplasm, viscosity values of 360  
 Pseudodatura 406  
 Pteridophytes, Papuan 321

## R

- Rainfall efficiency 326  
 Rendle, A. B., "Flora of Jamaica" 404  
 Reviews: Baker's "Hardwoods of Australia" 158; Britton's "Cactaceae" 404; Cockayne's "New Zealand plants" 403; Fawcett's "Flora of Jamaica" 404; Onslow's "Practical plant biochemistry" 403; Pellett's "American honey plants" 405; Rendle's "Flora of Jamaica" 404; Rose's "Cactaceae" 404  
 Rhizopus, protoplasm of 373  
 Richards, E. H., work of 167  
 Richey, H. W. 162  
 Ridley, H. N., work of 322  
 Rinorea 405  
 Rock, J. F., work of 327, 328  
 Roots, contraction of 168; monocotyledonous 87  
 Rose, J. N., "Cactaceae" 404  
 Russell, E. J., work of 167

## S

- Saccardo, Pier Andrea, biographical sketch 156  
 Sando, C. E., work of 471  
 Scaphocalyx 322  
 Schanz, F., work of 244  
 Schlechter, R., work of 87  
 Schley, Eva O. 69  
 Sclerotinia cinerea, pectin relations of 221  
 Scrophulariaceae, western 321  
 Sectioning hard woody tissues 82  
 Seedlings, polycotylous 87  
 Seed plants, phylogeny of 164  
 Seeds, heat treatment of 168; sterilization of 472  
 Seifriz, W. 360; work of 166  
 Setchell, W. A., work of 87, 407  
 Sex intergrades 88  
 Sheriff, E. E. 89, 329  
 Shreve, F., work of 408  
 Sifton, H. B., 425  
 Smithiella 406  
 Smith, W. W., work of 322  
 South Africa, plant distribution in 472  
 Spinach, mosaic disease of 167  
 Spoehr, H. A. 268  
 Spores, isolating 319

- Spratt, Amy V., work of 87  
 Stapf, O., work of 406  
 Statocytes of wheat haulm 148  
 Steinberg, R. A. 465; work of 323  
 Stemodia 322  
 Stetsonia 404  
 Stevens, F. L. 399  
 Stevens, N. E., work of 88  
 St. John, H., work of 87  
 Stomata, subcortical 295  
 Stork, H. E., work of 472

## T

- Taraxacum 472; *ceratophorum* 338; *eriophorum* 347; *laevigatum* 356; *lyratum* 332; North American species of 329; *vulgare* 350  
 Thellungi 406  
 Thymeleaceae, ovules and seeds of 407  
 Todea barbara, stem anatomy of 279  
 Tomatoes, ripening of 471  
 Trabutia *portoricensis* 401; *cordiae* 401  
 Transpiration and evaporation 190  
 Tree growth 159, 408

## U

- Umbellulanthus 405  
 Unit characters, modification of 326

## V

- Vaccinium, endosperm development in 88  
 Valeria 322  
 Van Alderwerelt van Rosenburgh, C.R.W.K., work of 406  
 Vaughania 405  
 Verena 322

## W

- Walker, Leva B. 1  
 Whytockia 322  
 Wieland, G. R., work of 165  
 Wiggins, C. C. work of 162  
 Wildeman, E. de, work of 405  
 Willaman, J. J. 221  
 Willis, J. C., work of 324, 325  
 Wilson, O. T. 51

## X

- Xylem, in Cycads 425

## Y

- Yampolsky, C., work of 88

## Z

- Zehnterella 404  
 Zijp, C. Van, work of 406  
 Zynthia *phaseoli* 402